Volume 37, 1994
Author Index / Index des auteurs

Abad, A., 97
Abbo, S., 713
Adam-Blondon, A.-F., 915
Ahmad, F., 133
Aimanova, K.G., 925
Aitken, S.A., 506
Ali, A., 512
Alibert, G., 176
Amrani, N., 176
Appels, R., 311, 320
Arens, P., 375
Armstrong, K., 607
Arndt, G.M., 12
Asay, K.H., 112
Aung, T., 556
Azzoni, P., 625
Bai, D., 405, 410
Baillie, D.L., 701
Bamberg, J.B., 866
Bannerot, H., 915
Barrett, J.W., 166
Barrette, R.J., 858
Basrur, P.K., 83, 280
Baud, S., 970
Baum, B.R., 992
Beaulieu, N., 137
Becerra Velásquez, V.L., 256
Beckert, M., 970
Bedo, D.G., 390
Beech, R.N., 166
Belzile, F., 832
Ben Tahar, S., 970
Bennetzen, J.L., 565
Bentolila, S., 970
Bhatia, S., 121
Bianchi, U., 625
Biddle, F.G., 198, 296
Biddle, P., 763
Bisht, M.S., 560
Bizzaro, D., 625
Blakey, C.A., 809
Blanchetot, A., 289
Blondon, F., 264
Borisjuk, L., 271
Borisjuk, N., 271
Boulianne, G.L., 840
Bournival, B., 97
Bramel-Cox, P., 236
Brandes, A., 1065
Brar, D.S., 217
Broad, T.E., 157
Brooks, J.E., 351
Brown, P.D., 440
Brown, S., 264
Brown, W.E., 565
Burrows, V.D., 910
Bush, A.L., 823
Bushuk, W., 349
Cabrero, J., 705, 1027
Cadle, M.M., 129, 348
Camacho, J.P.M., 705, 1027
Cappadocia, M., 775
Carpenter, M.A., 157
Castagnone-Sereno, P., 904
Cerdán, M.E., 515
Chatterjee, R., 784
Chatterton, N.J., 112
Chen, B.Y., 584
Chen, Q., 607
Cheng, B.F., 584
Chernakov, V.M., 349
Chevre, A.M., 367
Chinnappa, C.C., 148
Chong, J., 440
Cinti, C., 950
Coe, E.H., 809
Conner, R.L., 305, 477
Cox, T.S., 613
Crease, T.J., 858
Cuadrado, A., 709
D'Hont, A., 222
Dai, K., 672, 679, 802
Dai, X., 631
Dancik, B.P., 166
Davidson, W.S., 639
de Jong, J.H., 54, 726
de Kloet, E., 351
de Kloet, S.R., 351
de Léon, D.G., 222
Dean, W.L., 198
del Cerro, A.L., 1035
Del Coco, R., 950
Delseny, M., 367
DeScenzo, R.A., 460
Devey, M.E., 977
Dewald, C.L., 809
Doebley, J., 236
Dollin, A.E., 672, 679, 802
Dron, M., 915
Dronavalli, S., 590
Duncan, R.R., 1011
Dunford, R.P., 713
Dvořák, J., 876
Dyck, P.L., 556
Eales, B.A., 198, 296
Earle, E.D., 1062
Eastwood, R.F., 311
Eber, F., 367
Ebert, I., 646
Echt, C.S., 61
Eisner, J.R., 296
Fedak, G., 910
Feldmann, P., 222
Fernández, A., 1035
Fernandez-Peralta, A.M., 770
Fieldes, M.A., 1
Fillippova, M.A., 925
Fillips, D., 333
Fincham, J.R.S., 179
Fisher, K.R.S., 280
Fjellstrom, R.G., 690
Fontana, F., 888
Ford-Lloyd, B.V., 328
Forster, B.P., 487
Fort, S.B., 577
Fortin, M.G., 506, 999
Francki, M.G., 1056
Franz, G., 72
Freire-Picos, M.A., 515
Freyssinet, G., 970
Fu, Y.-B., 1005
Fukuhara, H., 515
Fukui, K., 105
Fung, E., 399
Gecheff, K., 419
Gencheva, E., 72
Georgiev, S., 419
Gepts, P., 256, 751
Gill, B.S., 613, 619, 717
Gillies, C.B., 672, 679, 802
Glass, N.L., 249
Glaszmann, J.C., 222
Gonzalez-Aguilera, J.J., 770
González-Siso, M.I., 515
Goodier, J.L., 639
Gooding, R.H., 289
Gosálvez, J., 173

Graner, A., 550
Graybosch, R.A., 19
Gregory, J.W., 92
Greilhuber, J., 646
Griffiths, A.J.F., 249
Grivet, L., 222
Guitton, C., 970
Gupta, J.P., 1041
Hankeln, T., 542, 925
Hanneman, R.E., Jr., 866
Harbage, J.F., 866
Harder, D.E., 440
Hardy, T., 970
Harris, M.J., 190
Hartman, T.P.V, 848
Hasenkampf, C.A., 535
Hattemer, H.H., 747
Hattori, J., 508
Haymer, D.S., 244
Hebert, P.D.N., 858
Hedgcoth, C., 203
Heikkila, J.J., 512
Hemleben, V., 271
Heneen, W.K., 584
Herzog, S., 747
Hirai, H., 36
Hodgetts, R.B., 526
Hohmann, U., 320
Hole, D., 469
Houben, A., 550, 1065
Howell, E.C., 328
Howes, N.K., 440
Hsiao, C., 112
Hu, G., 742
Hu, S., 333
Hulbert, S., 742
Hulbert, S.H., 619
Hvarleva, T., 419
Hymowitz, T., 133, 448
Imanywoha, J., 469
Innes, R.L., 813
Ishii, T., 217
Jarret, R.L., 1011
Jayawardene, N., 535
Jellen, E.N., 23, 613
Jena, K.K., 382
Jenkins, G., 784
Jensen, K.B., 112, 231, 469
Jenuth, J.P., 399
Jiang, J., 717
Johnson, D.A., 992
Jones, G.H., 497
Jones, S.S., 129, 348
Jouve, N., 709
Juan, C., 173
Jullien, H., 970
Juriloff, D.M., 190
Kami, J.A., 751
Kamisugi, Y., 105
Kamstra, S., 726
Karp, A., 419
Kerber, E.R., 556, 813
Kerlan, M.C., 367
Kerremans, Ph., 72
Khoshoo, T.N., 560
Khush, G.S., 217, 382
Kidwell, K.K., 61
Kiknadze, I.I., 925
King, I.P., 713, 882
Kleanthous, K., 935
Knapp, S.J., 61
Knott, D.R., 405, 410
Kochert, G., 382
Kollipara, K.P., 448
Kondorosi, A., 264
Konuma, A., 794
Koornneef, M., 726
Kota, R.S., 619
Koul, K.K., 560
Koykul, W., 83
Kresovich, S., 1011
Krone, P.H., 512
Künzel, G., 550
Labbé, H., 508
Lagudah, E.S., 311, 320
Lai, C., 519
Lakshmikumaran, M., 121
Lanaud, C., 222
Landry, B.S., 775
Langridge, P., 1056
Lanham, P.G., 487
Laroche, A., 477
Lee, D.J., 19
Lee, J.-H., 19
Lee, M., 236, 823, 900
Leonard, N.-J., 333
Leroy, F., 904
Liu, C.J., 882
Liu, Z.-W., 1011
López-León, M.D., 705, 1027
Lu, Y.-H., 222
Lukaszewski, A.J., 656, 945
Lynch, M., 33
Ma, Z.Q., 871
Maan, S.S., 210
Mackenzie, S., 97
Madsen, C.S., 351
Mahadevappa, M., 460
Mahendran, R., 356
Mahon, R.J., 390
Manicardi, G.C., 625
Maraldi, N.M., 950
Marec, F., 426
Margale, E., 367
Marie, D., 264
Marra, M.A., 701
Marthe, F., 550
Mather, D.E., 506, 999
Mavragani-Tsipidou, P., 935
McCoy, T.J., 61
McGuire, P.E., 876
McInnis, D.O., 244
McKim, K.S., 595
McNeil, D., 320
McNicol, P., 487
Metakovsky, E.V., 349
Miki, B.L., 508
Miller, T.E., 713, 882
Molnar, S.J., 910
Morgante, M., 763
Moss, J.P., 487
Multani, D.S., 217
Murigneux, A., 970
Muro, A.I., 957
Nagl, W., 1018
Nash, D., 333
Navarro, P., 770
Nenno, M., 1018
Newbury, H.J., 328
Ng, P.K.W., 349
O'Donoughue, L.S., 910
Obanni, M., 97
Ochoa, J.O., 36
Ogawa, K., 1022
Ohm, H., 97
Olivieri, A.M., 763
Omann, F., 137
Orford, S.E., 882
Osborn, T.C., 61
Palta, J.P., 866
Pangou, E., 935
Pardo, M.C., 705, 1027
Parfitt, D.E., 690
Parida, A., 560
Patel, M.S., 526
Peila, R., 950
Pelletier, G., 367
Penner, G.A., 910
Pereira, M.G., 236
Petjuch, G., 271
Phillips, R.B., 664
Phillips, R.L., 23

Pich, U., 550
Piorecky, J., 526
Pittaway, T.S., 882
Pogna, N.E., 349
Porter, S.D., 190
Portyanko, V.A., 900
Powell, W., 487
Preisig-Müller, R., 747
Primard, C., 367
Procunier, W.S., 36, 957
Purdie, K.A., 882
Qualset, C.O., 876
Rafalski, A., 763
Ragab, R.A., 590
Rai, K.N., 482
Raina, S.N., 560
Raja, V., 560
Ranganayakulu, G., 984
Rank, G.H., 12
Rayapati, P.J., 823, 900
Rayfuse, L.M., 129, 348
Reader, S.M., 713, 882
Riggs, C.D., 535, 736
Rines, H.W., 23
Ritland, K., 1005
Rivard, S.R., 775
Rohwedder, A., 542
Rose, A.M., 595
Rosenberg, S.M., 893
Rus-Kortekaas, W., 375
Saba-El-Leil, M.K., 775
Saghai Maroof, M.A., 590
Saini, R.G., 436
Sajdak, S.L., 664
Sakai, F., 105
Salimath, S.S., 560
SanMiguel, P., 565
Santos, J.L., 1035
Sarrafi, A., 176
Schabbink, E., 54
Schmidt, E.R., 542, 925
Schoenmakers, H.C.H., 726
Schrick, K., 565
Schubert, I., 1065
Schumann, K., 1018
Scoles, G.J., 410
Scouras, Z.G., 935
Seetha, K., 482
Sevignac, M., 915
Shiwani, 436
Singh, B., 280
Singh, K., 121
Singh, R.J., 448
Sivaramakrishnan, S., 482
Smith, D.N., 977
Smulders, M.J.M., 375
Snyder, F.F., 399
Song, J., 203
Sorokin, A., 550
Sorrells, M.E., 871
Southern, D.I., 848
Spencer, C.A., 526
Spradbery, J.P., 390
Springer, P.S., 565
Strobeck, C., 166
Stuppia, L., 950
Sujata, V., 482
Sun, J.Z., 631
Sundaran, A.K., 1041
Swan, A.D., 526
Swennen, R.L., 328
Sybenga, J., 54, 1045
Szekely, A.A., 356
Tagarro, I., 770
Tanksley, S.D., 871
Tayyar, R.I., 656
Terauchi, R., 794
Thomas, B.J., 181
Thomas, H.M., 181
Tingey, S., 763
Tinker, N.A., 506, 999
Tiong, S.Y.K., 333
Tokumitsu, M., 1022
Toline, C.A., 33
Tosa, Y., 758
Traut, W., 426
Tyson, H., 137
Uemoto, K., 36
van Eden, J., 54, 726
Vanlerberghe-Masutti, F., 904
Vedel, F., 367
Vellani, T.S., 249
Via, S., 858
Vincent, J.E., 497
Vornam, B., 747
Vosman, B., 375
Waines, J.G., 656
Walker-Simmons, M.K., 129, 348
Wang, R.R.-C., 231
Waycott, W., 577
Weich, B., 542
Wésolowski-Louvel, M., 515
Whitkus, R., 236
Wight, C.P., 910
Wilkes, T., 419
Wise, R.P., 92, 460, 823
Withers, L.A., 328
Wolters, A.M.A., 726
Woodman, W., 236
Woodruff, R.C., 356
Wright, J.M., 345
Xiao, W., 12
Xu, J., 305, 477, 1062
Yadav, B.R., 280
Yang, G.P., 631
Yoder, J.I., 832
Yu, Y.G., 590
Zambetaki, A., 935
Zhang, Q., 631
Zhang, X.-H., 148
Zhong, G.-Y., 876
Zhou, L., 840
Zhuo, L., 664

Volume 37, 1994
Subject Index / Index des matières

5-azacytidine, 1
5' external spacer region, 664
45S rDNA, 1062
1B/1D translocation, 210
5S rDNA, 105, 992
5S rRNA genes, 121
abnormal pairing configuration, 679
abscisic acid, 129
Ac element, 832
accumulation mechanisms, 1027
achiasmate, 848
Acipenseridae, 888
adaptive mutations, 893
addition line, 410
Adh, 984
adult-plant resistance, 436
Agropyron cristatum, 469
Agropyron elongatum, 97
Agropyron intermedium ssp. *trichoph*, 305
alien chromosome substitution, 876
alien cytoplasm, 210
alien gene introgressoin, 217
amphidiploid, 1045
aneuploidy, 210
anther culture, 775
aphids, 625
Arachis, 487
Ascobolus immersus, 179
asynapsis, 390
Atlantic salmon, 639
autotetraploid, 497, 784
Avena macrostachya, 613
Avena nuda, 92
Avena sativa, 607, 613
Avena strigosa, 92
Avena wiestii, 92
avenins, 440
avian, 351
B chromosomes, 705, 709, 1027
B elimination, 1027
B isochromosomes, 1035
bacteria, 893
Balbiani rings, 935
banana, 328
barley, 419, 460, 992
barley yellow dwarf virus, 876
base composition, 264
Blumeria graminis, 871
Bovidae, 802
Brassica campestris-alboglabra addition line, 584
Brassica campestris trisomics, 584
Brassica napus, 367
bread-making quality, 945
brown planthopper resistance, 217
brown trout, 639
bulk segregant analysis, 910
bulk segregants, 311
C-banded karyotype, 305
C-banding, 469, 477, 613, 656
cadmium, 508
Caenorhabditis elegans, 356, 701
Caenorhabditis species, 595
cattle, 83
cDNA, 1065
centre of diversity, 631
centromeric repeat, 351
Ceratitis capitata, 244
chiasma, 181
chiasmata, 784, 848
chickpea, 656, 713
Chironomus, 542, 925
chlorophyll *a/b* binding protein, 166
chloroplast, 747
chromosomal irregularities, 726
chromosomal mapping, 515
chromosomal substitutions, 19
chromosomal translocations, 19
chromosome 9, 399
chromosome 1R, 1056
chromosome homology, 535
chromosome pairing, 133
chromosome rearrangement, 802
chromosome structure, 595
Chrysomya bezziana, 390
colchitetraploid, 560
Colletotrichum lindemuthianum, 915
combining abilities, 176
common bean, 256
conifer genome, 977
*cox*I, 203
Crepis capillaris, 497
crown rust, 92
crucifers, 121
curved DNA, 925
cytobiotaxonomy, 36
cytochrome c gene, 515
cytoplasmic male sterility, 203, 210, 482
cytotaxonomy, 957
D genome, 320
Daphnia, 33
daylength insensitivity, 910
deficient pairing, 802
deletion, 190, 419
diakinesis, 584, 1045
diakinesis / metaphase I, 54
dinucleotide repeats, 977
Dioscorea tokoro, 794
diptera, 848
direct cloning, 105
direct fluorescence in situ hybridiation, 1062
direct labeling, 105
direct repeat, 751
disease resistance, 742, 823, 876, 900
distorted segregation, 775
DNA distribution, 560
DNA fingerprint, 375
DNA hydridization, 289
DNA loss, 560
DNA methylation, 625
DNA modification, 565
DNA polymerase chain reaction, 19
DNA probe, 231
DNA sequences, 112
domestication, 256, 763
Dopa decarboxylase, 526
*Dra*I banding, 950
Drosophila, 519, 526, 984
Drosophila kikkawai, 1041
Drosophila melanogaster, 333, 356, 840
Drosophila montium, 935
Drosophila virilis, 840
duplication, 595, 701
duplications, 935
Eastern gamagrass, 809
ecotypes, 148
electron microscopy, 950
embryo culture, 176
Eruca sativa, 121
Erysiphe graminis, 758
evolution, 639, 882, 893
evolutionary comparison, 840
evolutionary relationship, 271
female meiosis, 83
Feulgen cytophotometry, 646
field bean, 1065
fixed inversion, 1041

flax genotrophs, 1
flax peroxidase cDNA, 137
flow cytometry, 264
flowering, 1
fluorescein-12-dUTP, 173
fluorescein isothiocyanate, 607
fluorescence in situ hybridization, 477, 709, 713, 1065
gel electrophoresis, 440
gene conversion, 179
gene duplication, 512
gene expression, 813
gene family, 742
gene mapping, 236
gene tagging, 871
gene targeting, 311
gene transfer, 813
genetic application, 519
genetic diversity, 256, 405, 690, 1011
genetic map, 382
genetic mapping, 222, 506, 999
genetic markers, 244
genetic recombination, 893
genetic resources, 577
genetic sexing, 72
genetic variability, 289
genetic variation, 328
genome mapping, 61, 717
genome organization, 565, 607
genome size, 264, 560
genome size variation, 646
genome structure, 535
genomic in situ hybridization, 726
genotype, 148
germ plasm, 866
Glossina morsitans morsitans, 289
Glycine max, 133
Glycine tomentella, 448
gonadal hermaphrodites, 296
grasshopper, 705, 1035
groundnut, 487
gsf1, 809
GTP, 399
guanosine-5'-triphosphate, 399
guanosine auxotrophy, 333
gymnosperm, 166
*Hae*III banding, 950
Haldane's rule, 198
haploid, 176
height, 1
heterochromatin, 625, 656, 770, 925
histone H1, 736
holocentric chromosomes, 625
homeology, 129
homoeologous chromosome recombination, 876
homoeologous pairing, 876
hordein, 460
Hordeum, 631
Hordeum vulgare, 105, 550
horse, 157
human chromosomes, 770, 950
human onchocerciasis, 36
hybrid, 231
hybridization, 469
immunoblotting, 736
IMPDH, 333
in situ hybridization, 23, 97, 105, 320, 419, 607, 613, 717, 984
in situ labelling, 173
in situ nick translation, 950
in vitro androgenesis, 970
inbreeding depression, 1005
incipient speciation, 1041
inosinate dehydrogenase, 333
insect, 173
intergenic spacer, 271
intergenomic chromosome homoeology, 584
internal transcribed spacer regions, 664
interspecific crosses, 198
interspecific variation, 984
interspersed repetitive DNA, 565
intravarietal variation, 305
inversions, 935
isozymes, 1005
Japanese wild mice, 1022
Juglans, 690
karyotype, 469, 656, 888, 1041
Kluyveromyces lactis, 515
labelled wheat DNA as probe, 477
laboratory mice, 1022
lake trout, 664
leaf rust, 405
leaf-rust resistance, 436, 556
Leguminosae, 1018
length heteroplasmy, 858
lentil, 713
let-56, 701
lethal mutations, 333
lettuce, 577
Leymus, 231
life-history trait, 33
linkage, 945, 1005
linkage analysis, 999
locus bridges, 61
locust, 1027
Locusta migratoria, 1027
lodgepole pine, 166
Lolium, 181
Lophopyrum, 876
Lophopyrum elongatum, 129
loss of heterozygosity, 1022
low copy sequences, 311
Lycopersicon, 54
maize, 222, 809, 970
male sterility, 915
mapping, 129, 763
mating type, 249
medfly, 72
Medicago, 264
Mediterranean flour moth, 426
Mediterranean fruit fly populations, 244
meiosis, 469, 497, 535, 595, 736, 848, 1035, 1045
meiotic behavior, 367
meiotic drive, 1027
meiotic pairing, 231
meiotic purging, 736
Meloidogyne spp., 904
Mendelian transmission, 705
metallothionein-β-glucuronidase fusion, 508
metaphase, 1045
methylation, 271, 770
microevolution, 33
microisolated chromosomes, 550
microsatellite, 794
microsatellites, 763, 977
microspreading, 426
mid-arm interchange, 957
midget chromosome, 619, 1056
Mimulus guttatus, 1005
minisatellites, 542
mitochondrial DNA, 203, 482, 858
mitochondrial RNA, 203
mitosis, 595
Mla, 460
molecular cytogenetics, 410, 717
molecular markers, 367, 440, 506, 910, 999
molecular phylogeny, 112, 148
molecular tagging, 217
monocots, 823
morphological variation, 577
mosaicism, 190
mouse, 198, 296, 399
multigene family, 751
multivalent, 181, 497
Musa, 328
mutagenesis, 519
mutation, 190
mutational divergence, 33
near-isogenic lines, 823
neuralized, 840

Neurospora, 249
NOR, 802
Northern analysis, 137
nucleocytoplasmic interactions, 210
nucleolar organizing region, 419
nucleolus organizer region, 713
nucleolus organizers, 888
nucleotide sequence, 840
nucleotide substitution, 157
nullisomics, 23
oat, 23, 92, 607, 613, 910
oocyte degeneration, 83
oogenesis, 848
organization, 121
Oryza, 382
p53 gene, 1022
P elements, 356
pachytene chromosome, 133
pachytene substaging, 672
pairing partner exchange, 54, 181
pairing partner switch, 497, 1035
parsimony, 904
parthenogenesis, 1027
PCR, 137
pea aphid, 858
Pennisetum glaucum, 482
pericentric region, 619
Phaseolus vulgaris L., 915
phenetic analysis, 1011
phenetics, 577
photoperiod, 910
photosystem II, 747
photosystem II type I *cab* gene, 166
phylogenetic analysis, 904, 992
phylogeny, 271, 631
physical mapping, 717
physical RFLP mapping, 550
Pisum sativum, 646
plant, 519, 1018
plantain, 328
2-µm plasmid, 12
Pm1, 871
Pm2, 871
Pm3, 871
Pm4, 871
Poaceae, 112
polymerase chain reaction, 550, 858, 1011
polymorphism, 1022
polyploid, 222
polyploidy, 888
polytene chromosomes, 390, 935
Pooideae, 112
pooled DNA, 999
population genetics, 794
Populus, 747
porcine chromosomes, 280
potato, 726, 866
powdery mildew, 460, 758
preferential pairing, 1045
primary sex determination, 296
primer-mediated in situ hybridizati, 713
protease, 1018
protease inhibitors, 448
Puccinia, 742
Puccinia coronata, 92
Puccinia recondita, 436
puffs, 935
purine synthesis, 333
QTLs, 1005
quantitative trait loci, 970
random amplified polymorphic DNA, 915
RAPD, 61, 311, 328, 375, 506, 577, 904, 910, 999, 1011
RAPD-PCR, 244
raspberry mutants, 333
rDNA, 23
rDNA sites, 713
rDNA spacer-length variation, 631
rearrangements, 832
recA, 893
RecBCD, 893
recombinant, 460
recombination, 72, 512, 742
regulatory element, 526
repeated DNA sequences, 619, 1056
repetitive DNA, 709
reporter gene, 526
resistance, 758
restriction endonucleases, 770
restriction enzyme bandings, 625
restriction fragment length polymorphism, 256,742, 747, 915
RFLP, 23, 61, 222, 311, 382, 448, 482, 590, 690, 882, 970
RFLP markers, 775, 871, 1056
ribosomal DNA, 271, 664
ribosomal RNA genes, 1018
rice, 217, 382
Robertsonian translocation, 679
rust resistance, 405, 410, 813
rye, 19, 709, 784
rye telomere associated sequence, 619
Saccharomyces cerevisiae, 12
satellite DNA, 351, 639, 770, 925
satellites, 305
screwworm, 390
Secale cereale, 19, 709
seed fertility, 560
seed protein, 900
seed protein profiles, 448
seed storage protein, 751
seed storage protein genes, 1018
segregation analysis, 289
self-incompatibility, 775
sequence amplification, 320
sequence analysis, 121
sequence conservation, 351
sequence diversity, 992
sequence polymorphism, 157
sequence relationships, 137
sequence-specific primers, 19
sequence tagged sites, 977
sex chromatin, 426
sex chromosome evolution, 36
sex chromosomes, 426
sexual isolation, 1041
sheep, 672, 679
silver and Giemsa banding, 419
simple sequence, 375
simple sequence repeat, 794
simple sequence repeats, 763
Simulium neavei group, 957
Simulium ochraceum complex, 36
Sinapis alba, 367
Solanum, 866
Solanum chacoense, 775
somaclonal variation, 375
somatic and sexual hybrids, 367
Sorghum bicolor, 236, 590
Southern blot, 231
soybean, 133, 763
speciation, 957
species identification, 747
species-specific repeats, 97
stability, 560
STB adaption, 12
Stellaria longipes, 148
stem rust, 405
sterile insect technique, 72
storage proteins, 487
subfertility, 280
sugarcane, 222
supernumerary segments, 705
suppressors, 249
symbiosis, 264
symmetric somatic hybrids, 726
synapsis, 535, 784
synaptonemal complex, 54, 83, 426, 672, 1035
synthetic alloploids, 448
synthetic hexaploid, 813
Tc1-like transposon, 639

Tc1 transposable element, 356
tetraploid, 1045
tetraploid hybrid, 54
tetraploid wheat, 176
tissue culture, 375
tissue-specific expression, 984
tomato, 726, 832
tomato chromosomes, 1062
transcribed spacer, 664
transferrin, 157
transformation, 356
transgenic flies, 526
transgenic plants, 508
translocation, 426, 550, 882, 945
transposable element, 519, 832
transposition, 542
transposon tagging, 832
triose phosphate isomerase, 148
triploid, 181
Tripsacum, 809
trisomic, 133, 469
triticale, 945
Triticeae, 112, 882
Triticum aestivum, 19, 129, 436, 556, 871
Triticum tauschii, 813
Triticum triaristatum, 410
trivalent, 679
ts2, 809
tyrosinase, 190
unc-22, 701
variability, 763
variation, 487
vector biology, 36, 957
vegetative incompatibility, 249
walnut, 690
wheat, 19, 97, 203, 436, 556, 758, 813, 871, 876, 945
wheat/alien addition and substitution, 882
wheat-alien hybrid, 477
wheat/alien introgression, 882
wheat rust, 405
wheat maize, 176
wheatgrass, 97, 876
wild potato, 775
wild rice, 382
wild species, 217
X-autosome translocation, 280
X chromosome, 701
XY pair, 672
Y chromosome, 296
Z-DNA, 512
Zea mays, 236, 590
zygDNA sequences, 535